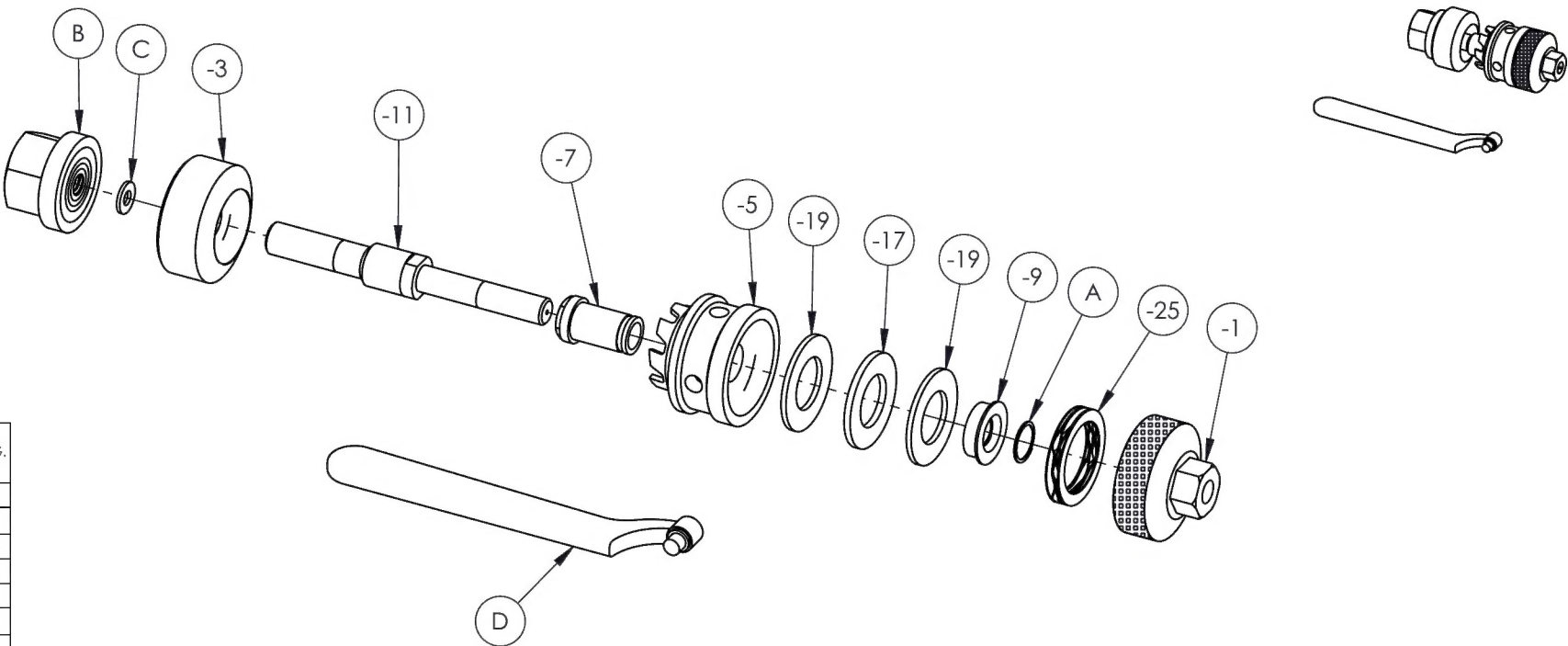


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USAGE TABLE					
BEARING #	TOOL #	A	B	C	D
MS14101-3	RBSC4101-3-P	-16	-37	-35	-23
MS14101-4	RBSC4101-4-P	-16	-31	N/A	-23
MS14101-5	RBSC4101-5-P	-15	-31	N/A	-23
MS14101-7	RBSC4101-7-P	-15	-27	N/A	-23
MS14103-7A					
MS14101-6	RBSC4103-6-P	-15	-31	N/A	-23
MS14103-6					
MS14101-8	RBSC4101-8-P	-15	-27	N/A	-23
MS14101-9	RBSC4101-9-P	-15	-33	N/A	-23
MS14101-10	RBSC4101-10-P	-15	-33	N/A	-23
MS14101-12	RBSC4101-12-P	-15	-33	N/A	-22
MS14101-14	RBSC4101-14-P	-15	-33	N/A	-21
MS14101-16	RBSC4101-16-P	-15	-33	N/A	-20
MS14103-3	RBSC4103-3-P	-16	-37	-35	-23
MS14103-4	RBSC4103-4-P	-16	-31	N/A	-23
ADW4V					
11HWG04	RBSC4103-5-P	-16	-31	N/A	-23
MS14103-5					
MS14103-7	RBSC4103-7-P	-15	-27	N/A	-23
206-031-594-001					
206-031-594-003	RBSC4103-8-P	-15	-27	N/A	-23
MS14103-8					
MS14103-9	RBSC4103-9-P	-15	-33	N/A	-23
MS14103-10	RBSC4103-10-P	-15	-33	N/A	-23
MS14103-12	RBSC4103-12-P	-15	-33	N/A	-22
MS14103-14	RBSC4103-14-P	-15	-33	N/A	-21
MS14103-16	RBSC4103-16-P	-15	-33	N/A	-24

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	SPRING TENSIONER	1018	SEE USAGE TABLE TABLE	2
			-3	1	SEAT	4140/4142 Q&T	SEE USAGE TABLE TABLE	3
			-5	1	CUTTER	0-1	SEE USAGE TABLE TABLE	4
			-7	1	GUIDE	BRONZE	SEE USAGE TABLE TABLE	5
			-9	1	BUSHING	BRONZE	SEE USAGE TABLE TABLE	6
			-11	1	STUD	4140/4142 Q&T	SEE USAGE TABLE TABLE	7
		B/O	-15	1	EXTERNAL SPIRAL RETAINING RING	STEEL	Ø7/16 SHAFT {MCMaster-CARR #91665A350}	1
		B/O	-16	1	EXTERNAL SPIRAL RETAINING RING	STEEL	Ø5/16 SHAFT {MCMaster-CARR #91665A330}	1
		B/O	-17	1	THRUST BEARING		Ø5/8 ID X 1-1/8 OD X 5/64 {APPLIED #NTA-1018}	1
		B/O	-19	2	THRUST WASHER		Ø5/8 ID X 1-1/8 OD X 1/16 {APPLIED #TRB-1018}	1
		B/O	-20	1	SPANNER WRENCH	STEEL	Ø2 CIRCLE, Ø1/4 PIN X 7/32 {MCMaster-CARR #5475A15}	1
		B/O	-21	1	SPANNER WRENCH	STEEL	Ø1-3/4 CIRCLE, Ø15/64 PIN X 3/16 {MCMaster-CARR #5475A14}	1
		B/O	-22	1	SPANNER WRENCH	STEEL	Ø1-1/2 CIRCLE, Ø7/32 PIN X 3/16 {MCMaster-CARR #5475A13}	1
		B/O	-23	1	SPANNER WRENCH	STEEL	Ø1-1/4 CIRCLE, Ø13/64 PIN X 5/32 {MCMaster-CARR #5475A12}	1
		B/O	-24	1	SPANNER WRENCH	STEEL	Ø2-1/4 CIRCLE, Ø17/64 PIN X 1/4 {MCMaster-CARR #5475A16}	1
		B/O	-25	1	CREST TO CREST SPRING	STEEL	{APPLIED SMALLEY RING CO # CS112-21}	1
		B/O	-27	1	SWIVEL HEX FLANGE NUT	STEEL	3/8-16 {MCMaster-CARR #90477A031}	1
		B/O	-29	1	TOOTH GUARD (FOR SHIPPING ONLY)	VINYL	SEE -5 Ø8 FOR INSIDE DIA. OF TUBE X 5/8 LENGTH	NS
		B/O	-31	1	SWIVEL HEX FLANGE NUT	STEEL	1/4-20 {MCMaster-CARR #90477A029}	1
		B/O	-33	1	SWIVEL HEX FLANGE NUT	STEEL	1/2-13 {MCMaster-CARR #90477A033}	1
		B/O	-35	1	WASHER	S.S.	#8 {MCMaster-CARR #92141A009}	1
		B/O	-37	1	HEX THUMB NUT	S.S.	8-32 {MCMaster-CARR #94365A360}	1

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CHANGED -11 SEAT END FROM 1/4-20 & LENGTH FROM 4 in., PER DAVE. ALSO DELETED -13 HANDLE & -21 KNOB.	1/20/2008	WP	DW
2		KSC4103-5-5 TOOTH AMT. CHANGED FROM 6, KSC-BACB10FA08G TOOTH AMT., CHANGED FROM 8.	2/13/2008	WP	DW
3		ADDED TOOL #'S 103-5 TO 103-7; ADDED DIM. ØE & THREAD LENGTH TO -11 STUD; AND ADDED DIM. C TO -3 SEAT.	3/4/2008	WP	DW
4		WIDENED -5 CUTTER TEETH FROM .045 TO .060	4/28/2008	WP	DW
5		ADJUSTED THE LENGTHS OF -11 TO BE RELEVANT TO BEARING THICKNESS.	9/15/2008	WP	RW
6		ADJUSTED -5 BEARING DEPTH FROM .202 TO .218 FOR EASE OF ASSEMBLY.	11/8/2008	WP	RW
7		CHANGED 4103-6P-11 & -27 TO 3/8-16 THREAD AND OTHER DIMENSIONS TO ACCOMMODATE THE LARGE SHAFT SIZE.	2/24/2009	WP	RW
8		OMITTED DIM .580 & .544 & FEATURE ASSOCIATED WITH DIM., CH'D ALL TOOL NUMBERS, REMOVED THE K'S AND ADDED RB PER W.P.	10/27/2009	RJC	RW
8A		ADDED -1 .Ø.662 REFERENCE DIMENSION PER G.E. ADDED 206-031-594-001 & -003 BEARINGS TO SHEET 1 TABLE BER E.B.	12/29/2011	RJC	GE
9		ADDED TOOL RBSC4103-4-P	11/12/2013	JAG	EB
10	15-0029	UPDATED TO NEW DRAFTING STANDARDS. ADDED BEARINGS MS14101-3/-4/-5/-7/-8/-9/-10/-12/-14/-16, MS14103-3/-7A/-9/-10/-12/-14/-16. -1 CH'D DIM WAS ØA IS {ØC}. ADDED DIMS ØA & B TO TABLE. -3 CH'D DIMS WAS C IS .625, WAS {Ø1.375} IS {ØC}, WAS .197 IS .246. CH'D TOLERANCE ON ØA WAS +.002 -.000 IS +.000 -.005. ADDED DIM {ØC} TO TABLE. -5 CH'D DIMS WAS .290 IS .328, WAS R.030 IS R.02. DELETED DIM 55°. ADDED DIMS .10, .21. ADDED ØD, ØE, ØF TO TABLE. -7 ADDED ØA, ØB, ØC, ØD TO TABLE. -9 ADDED ØA TO TABLE. -11 ADDED DIMS ØF, G, ØH, J TO TABLE. ADDED -20, -21, -22, -24, -31, -33, -35, -37.	2/2/2015	DPD	JAG

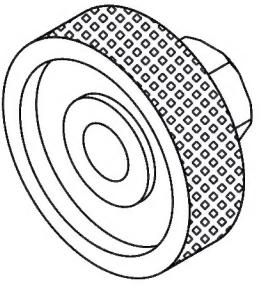
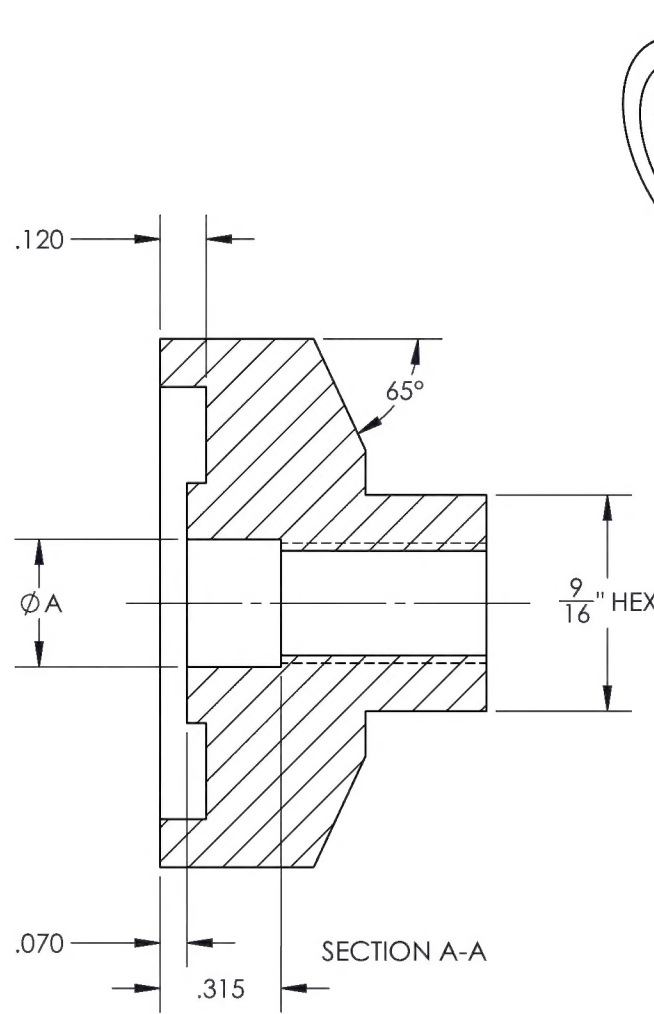
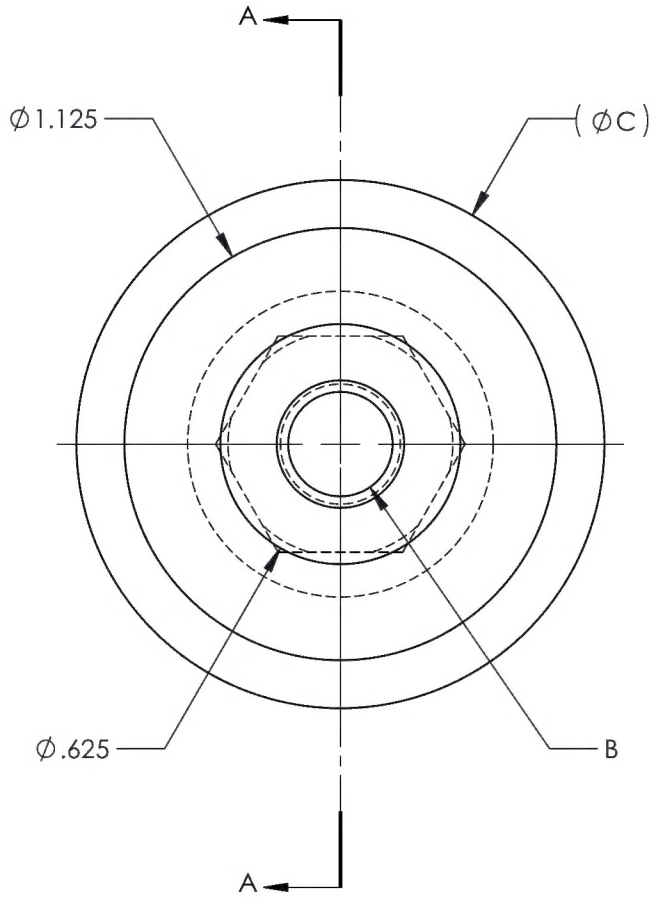
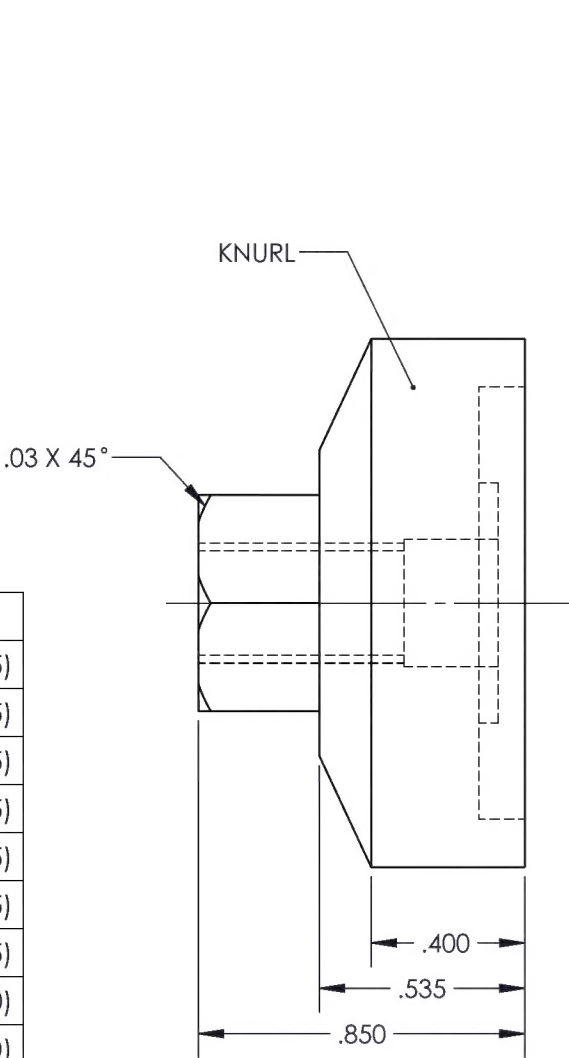


DART AEROSPACE			
TITLE		PORTABLE BEARING CUTTERS	
DWG NO.		SEE TABLE	REV 10
MAT'L		DRAWN BY: GILBERT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weil</i>	
.XXX ± .005		HEAT TREAT	
.XX ± .01		FINISH	
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SEE TABLE	
SCALE	1:2	DATE	1/10/2008
		SHEET 1 OF 7	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
9		ADDED TOOL RBSC4103-4-P	11/12/2013	JAG	EB
9	15-0029	-1 CH'D DIM WAS ØA IS (ØC). ADDED DIMS ØA & B TO TABLE. ADDED BEARINGS MS14101-3/-4/-5/-7/-8/-9/-10/-12/-14/-16, MS14103-3/-7A/-9/-10/-12/-14/-16.	2/3/2015	DPD	JAG

TOOL NUMBER	ØA	B	(ØC)
RBSC4101-3-P	Ø.177	8-32	(Ø1.375)
RBSC4101-4-P	Ø.177	8-32	(Ø1.375)
RBSC4101-5-P	Ø.332	5/16-24	(Ø1.375)
RBSC4101-7-P	Ø.332	5/16-24	(Ø1.375)
RBSC4103-6-P	Ø.332	5/16-24	(Ø1.375)
RBSC4101-8-P	Ø.332	5/16-24	(Ø1.375)
RBSC4101-9-P	Ø.332	5/16-24	(Ø1.375)
RBSC4101-10-P	Ø.332	5/16-24	(Ø1.500)
RBSC4101-12-P	Ø.332	5/16-24	(Ø1.750)
RBSC4101-14-P	Ø.332	5/16-24	(Ø2.000)
RBSC4101-16-P	Ø.332	5/16-24	(Ø2.250)
RBSC4103-3-P	Ø.177	8-32	(Ø1.375)
RBSC4103-4-P	Ø.177	8-32	(Ø1.375)
RBSC4103-5-P	Ø.177	8-32	(Ø1.375)
RBSC4103-7-P	Ø.332	5/16-24	(Ø1.375)
RBSC4103-8-P	Ø.332	5/16-24	(Ø1.375)
RBSC4103-9-P	Ø.332	5/16-24	(Ø1.375)
RBSC4103-10-P	Ø.332	5/16-24	(Ø1.500)
RBSC4103-12-P	Ø.332	5/16-24	(Ø1.750)
RBSC4103-14-P	Ø.332	5/16-24	(Ø2.000)
RBSC4103-16-P	Ø.332	5/16-24	(Ø2.500)



(-1)  
SPRING TENSIONER

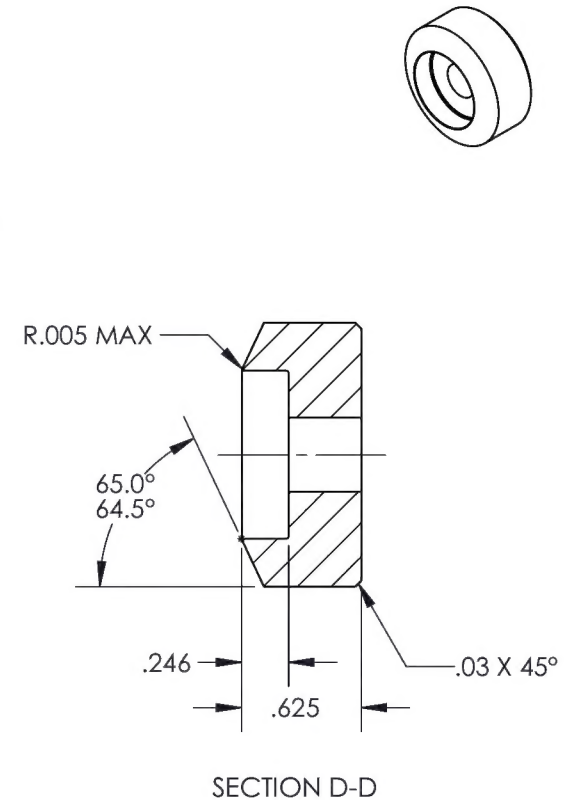
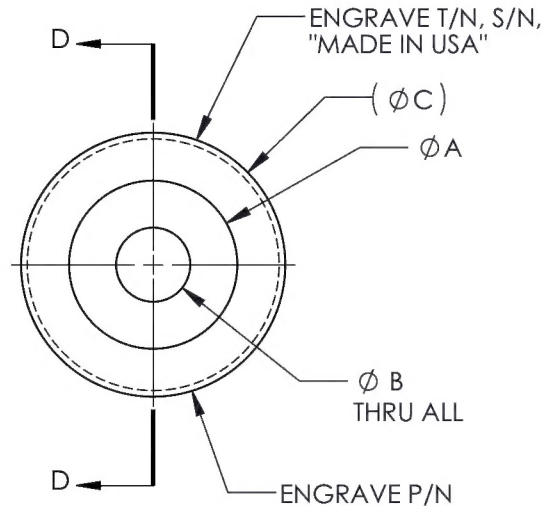
DART AEROSPACE			
TITLE		PORTABLE BEARING CUTTER	
DWG NO.		SEE TABLE-1	REV ?
MAT'L 1018		DRAWN BY: GILBERT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Well</i>	
.XXX ± .005		HEAT TREAT	
.XX ± .01		FINISH BLACK OXIDE	
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SEE TABLE	
SCALE 2:1	DATE 10/4/2012	SHEET 2 OF 7	



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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
9		ADDED TOOL RBSC4103-3-P.	11/12/2013	JAG	EB
10	15-0029	-3 CH'D DIMS WAS C IS .625, WAS (Ø1.375) IS (ØC), WAS .197 IS .246. CH'D TOLERANCE ON ØA WAS +.002 -.000 IS +.000 -.005. ADDED DIM (ØC) TO TABLE. ADDED BEARINGS MS14101-3/-4/-5/-7/-8/-9/-10/-12/-14/-16. MS14103-3/-7A/-9/-10/-12/-14/-16.	2/3/2015	DPD	JAG

TOOL NUMBER	ØA +.000 -.005	ØB +.002 -.000	(ØC)
RBSC4101-3-P	Ø.500	Ø.169	(Ø1.375)
RBSC4101-4-P	Ø.594	Ø.257	(Ø1.375)
RBSC4101-5-P	Ø.660	Ø.257	(Ø1.375)
RBSC4101-7-P	Ø.806	Ø.386	(Ø1.375)
RBSC4103-6-P	Ø.712	Ø.257	(Ø1.375)
RBSC4101-8-P	Ø.876	Ø.386	(Ø1.375)
RBSC4101-9-P	Ø.970	Ø.516	(Ø1.375)
RBSC4101-10-P	Ø1.063	Ø.516	(Ø1.500)
RBSC4101-12-P	Ø1.313	Ø.516	(Ø1.750)
RBSC4101-14-P	Ø1.438	Ø.516	(Ø2.000)
RBSC4101-16-P	Ø1.626	Ø.516	(Ø2.250)
RBSC4103-3-P	Ø.563	Ø.169	(Ø1.375)
RBSC4103-4-P	Ø.563	Ø.257	(Ø1.375)
RBSC4103-5-P	Ø.625	Ø.257	(Ø1.375)
RBSC4103-7-P	Ø.837	Ø.386	(Ø1.375)
RBSC4103-8-P	Ø.900	Ø.386	(Ø1.375)
RBSC4103-9-P	Ø1.025	Ø.516	(Ø1.375)
RBSC4103-10-P	Ø1.087	Ø.516	(Ø1.500)
RBSC4103-12-P	Ø1.251	Ø.516	(Ø1.750)
RBSC4103-14-P	Ø1.501	Ø.516	(Ø2.000)
RBSC4103-16-P	Ø2.001	Ø.516	(Ø2.500)

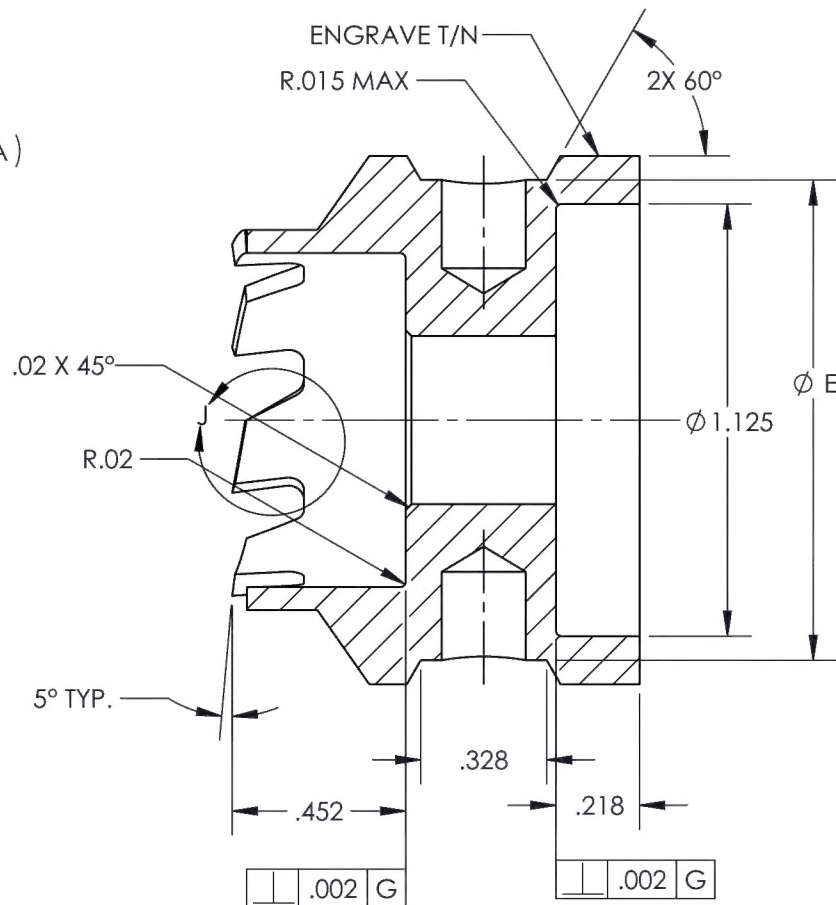
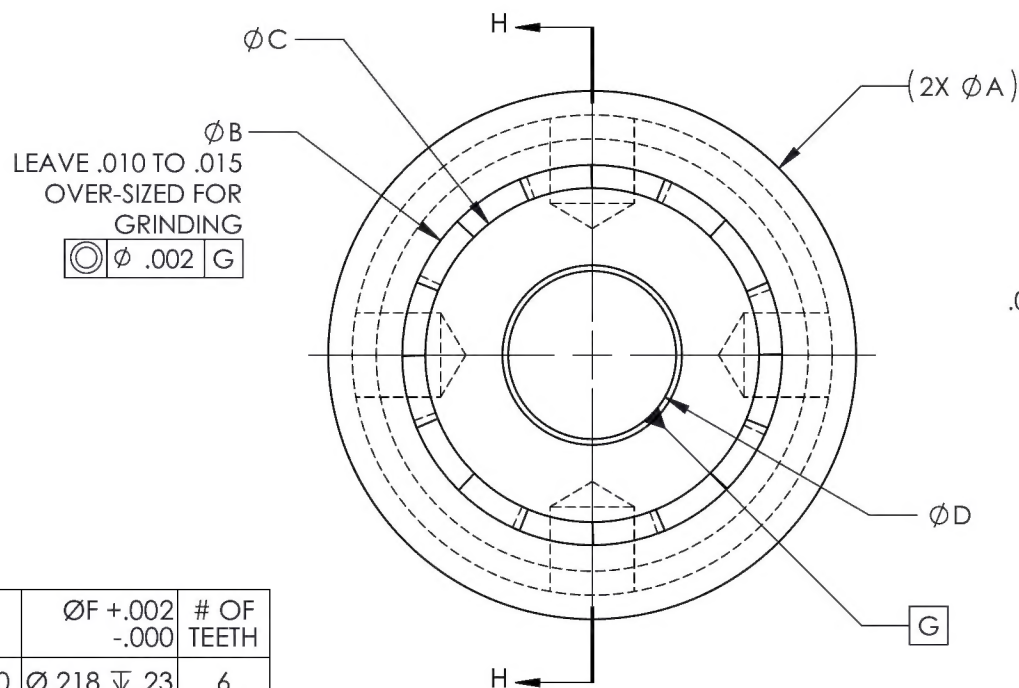
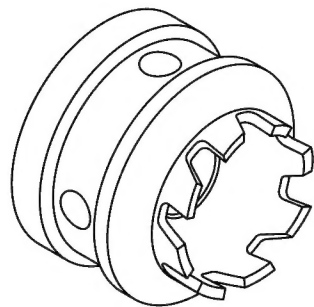


(-3)  
SEAT

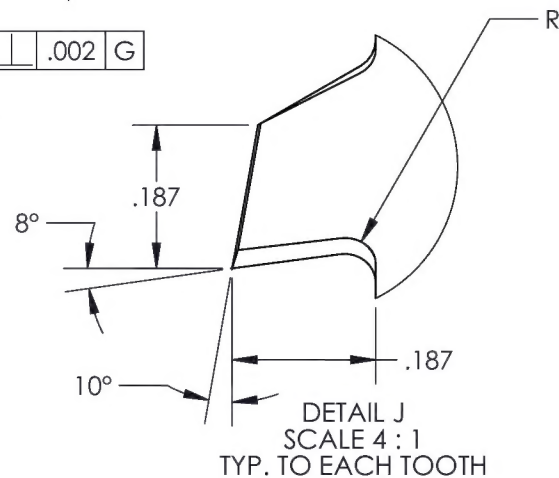
<b>DART AEROSPACE</b>	
TITLE <b>PORTABLE BEARING CUTTER</b>	
DWG NO. <b>SEE TABLE-3</b>	REV <b>10</b>
MAT'L 4140/4142 Q&T	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH BLACK OXIDE
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SEE TABLE
SCALE 1:1	DATE 1/10/2008
SHEET 3 OF 7	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
9		ADDED TOOL RBSC4103-4-P.	11/12/2013	JAG	EB
10	15-0029	-5 CH'D DIMS WAS .290 IS .328. WAS R.030 IS R.02. DELETED DIM 55°. ADDED DIMS .10, .21. ADDED ØD, ØE, ØF TO TABLE. ADDED BEARINGS MS14101-3/-4/-5/-7/-8/-9/-10/-12/-14/-16, MS14103-3/-7A/-9/-10/-12/-14/-16.	2/3/2015	DPD	JAG

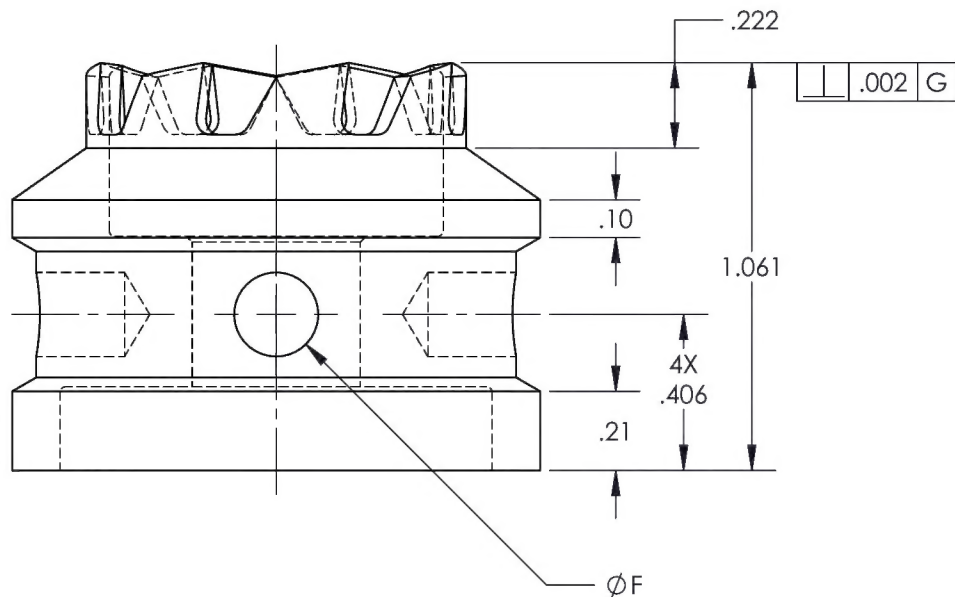


SECTION H-H



DETAIL J  
SCALE 4 : 1  
TYP. TO EACH TOOTH

TOOL NUMBER	(ØA)	ØB +.0000 -.0020	ØC +.0000 -.0050	ØD +.002 -.000	ØE	ØF +.002 -.000	# OF TEETH
RBSC4101-3-P	(Ø1.375)	Ø.5520	Ø.4320	Ø.313	Ø1.250	Ø.218 √.23	6
RBSC4101-4-P	(Ø1.375)	Ø.6457	Ø.5257	Ø.313	Ø1.250	Ø.218 √.23	6
RBSC4101-5-P	(Ø1.375)	Ø.7395	Ø.6195	Ø.438	Ø1.250	Ø.218 √.23	6
RBSC4101-7-P	(Ø1.375)	Ø.8957	Ø.7757	Ø.438	Ø1.250	Ø.218 √.23	8
RBSC4103-6-P	(Ø1.375)	Ø.8020	Ø.6820	Ø.438	Ø1.250	Ø.218 √.23	8
RBSC4101-8-P	(Ø1.375)	Ø.9895	Ø.8695	Ø.438	Ø1.250	Ø.218 √.23	8
RBSC4101-9-P	(Ø1.375)	Ø1.0832	Ø.9632	Ø.438	Ø1.250	Ø.218 √.23	10
RBSC4101-10-P	(Ø1.500)	Ø1.1770	Ø1.0570	Ø.438	Ø1.250	Ø.218 √.23	10
RBSC4101-12-P	(Ø1.750)	Ø1.4270	Ø1.3070	Ø.438	Ø1.500	Ø.268 √.26	12
RBSC4101-14-P	(Ø2.000)	Ø1.5520	Ø1.4320	Ø.438	Ø1.750	Ø.284 √.26	14
RBSC4101-16-P	(Ø2.250)	Ø1.7395	Ø1.6195	Ø.438	Ø2.000	Ø.300 √.29	16
RBSC4103-3-P	(Ø1.375)	Ø.6145	Ø.4945	Ø.313	Ø1.250	Ø.218 √.23	6
RBSC4103-4-P	(Ø1.375)	Ø.6145	Ø.4945	Ø.313	Ø1.250	Ø.218 √.23	6
RBSC4103-5-P	(Ø1.375)	Ø.6770	Ø.5570	Ø.313	Ø1.250	Ø.218 √.23	6
RBSC4103-7-P	(Ø1.375)	Ø.9270	Ø.8070	Ø.438	Ø1.250	Ø.218 √.23	8
RBSC4103-8-P	(Ø1.375)	Ø.9895	Ø.8695	Ø.438	Ø1.250	Ø.218 √.23	8
RBSC4103-9-P	(Ø1.375)	Ø1.1145	Ø.9945	Ø.438	Ø1.250	Ø.218 √.23	10
RBSC4103-10-P	(Ø1.500)	Ø1.1770	Ø1.0570	Ø.438	Ø1.250	Ø.218 √.23	10
RBSC4103-12-P	(Ø1.750)	Ø1.3645	Ø1.2445	Ø.438	Ø1.500	Ø.268 √.26	12
RBSC4103-14-P	(Ø2.000)	Ø1.6145	Ø1.4945	Ø.438	Ø1.750	Ø.284 √.26	14
RBSC4103-16-P	(Ø2.500)	Ø2.1145	Ø1.9945	Ø.438	Ø2.250	Ø.316 √.33	18



(-5)

CUTTER

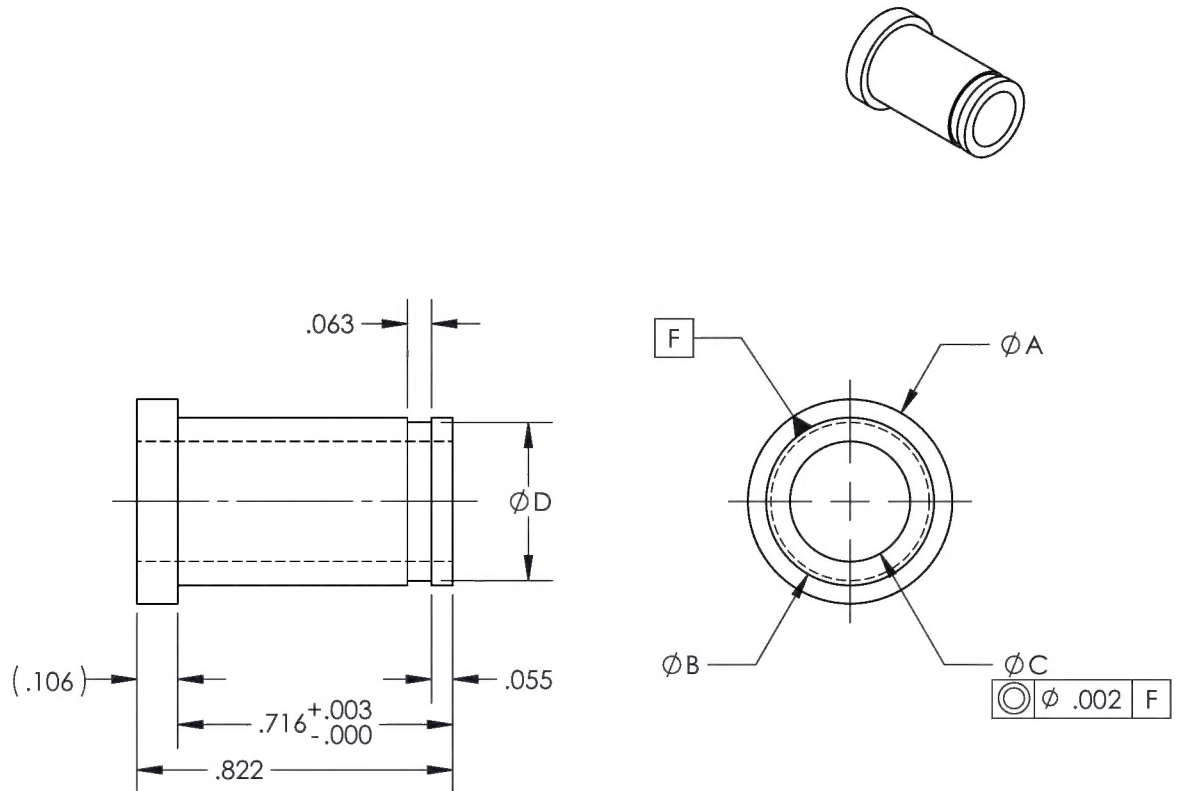
DART AEROSPACE			
TITLE PORTABLE BEARING CUTTER		REV 10	
DWG NO. SEE TABLE-5		DRAWN BY: PERRITT	
MAT'L 0-1		APPROVED P. Well	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TREAT 55-60 HRC	
.XXX ± .005		FINISH BLACK OXIDE	
.XX ± .01		SPEC	
.X ± .1		USED ON MODEL	
1. BREAK ALL SHARP EDGES .015 x 45°		SEE TABLE	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE 2:1	DATE 1/10/2008	SHEET 4 OF 7	



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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
9		ADDED TOOL RBSC4103-4-P.	11/12/2013	JAG	EB
10	15-0029	-7 ADDED ØA, ØB, ØC, ØD TO TABLE. ADDED BEARINGS MS14101-3/-4/-5/-7/-8/-9/-10/-12/-14/-16, MS14103-3/-7A/-9/-10/-12/-14/-16.	2/6/2015	DPD	JAG

TOOL NUMBER	ØA	ØB +.000 -.002	ØC +.002 -.000	ØD ±.002
RBSC4101-3-P	Ø.375	Ø.312	Ø.169	Ø.290
RBSC4101-4-P	Ø.375	Ø.312	Ø.169	Ø.290
RBSC4101-5-P	Ø.532	Ø.437	Ø.313	Ø.412
RBSC4101-7-P	Ø.532	Ø.437	Ø.313	Ø.412
RBSC4103-6-P	Ø.532	Ø.437	Ø.313	Ø.412
RBSC4101-8-P	Ø.532	Ø.437	Ø.313	Ø.412
RBSC4101-9-P	Ø.532	Ø.437	Ø.313	Ø.412
RBSC4101-10-P	Ø.532	Ø.437	Ø.313	Ø.412
RBSC4101-12-P	Ø.532	Ø.437	Ø.313	Ø.412
RBSC4101-14-P	Ø.532	Ø.437	Ø.313	Ø.412
RBSC4101-16-P	Ø.532	Ø.437	Ø.313	Ø.412
RBSC4103-3-P	Ø.375	Ø.312	Ø.169	Ø.290
RBSC4103-4-P	Ø.375	Ø.312	Ø.169	Ø.290
RBSC4103-5-P	Ø.375	Ø.312	Ø.169	Ø.290
RBSC4103-7-P	Ø.532	Ø.437	Ø.313	Ø.412
RBSC4103-8-P	Ø.532	Ø.437	Ø.313	Ø.412
RBSC4103-9-P	Ø.532	Ø.437	Ø.313	Ø.412
RBSC4103-10-P	Ø.532	Ø.437	Ø.313	Ø.412
RBSC4103-12-P	Ø.532	Ø.437	Ø.313	Ø.412
RBSC4103-14-P	Ø.532	Ø.437	Ø.313	Ø.412
RBSC4103-16-P	Ø.532	Ø.437	Ø.313	Ø.412

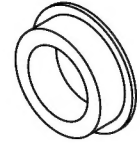


(-7)  
GUIDE

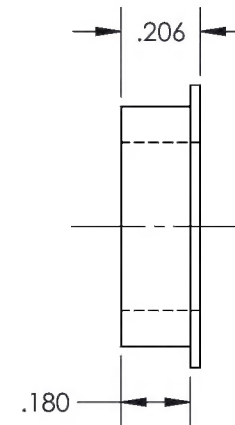
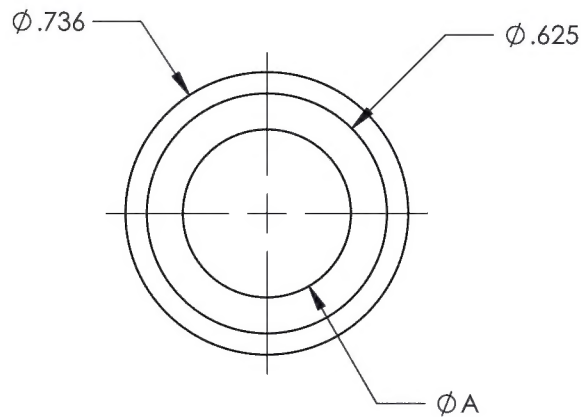
<b>DART</b> AEROSPACE	
TITLE <b>PORTABLE BEARING CUTTER</b>	
DWG NO. <b>SEE TABLE-7</b>	REV <b>10</b>
MAT'L BRONZE	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SEE TABLE
SCALE 2:1	DATE 1/10/2008
SHEET 5 OF 7	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
9		ADDED TOOL RBSC4103-4-P	11/12/2013	JAG	EB
10	15-0029	-9 ADDED ØA TO TABLE. ADDED BEARINGS MS14101-3/-4/-5/-7/-8/-9/-10/-12/-14/-16, MS14103-3/-7A/-9/-10/-12/-14/-16.	2/6/2015	DPD	JAG



TOOL NUMBER	ØA +.002 -.000
RBSC4101-3-P	Ø.313
RBSC4101-4-P	Ø.313
RBSC4101-5-P	Ø.438
RBSC4101-7-P	Ø.438
RBSC4103-6-P	Ø.438
RBSC4101-8-P	Ø.438
RBSC4101-9-P	Ø.438
RBSC4101-10-P	Ø.438
RBSC4101-12-P	Ø.438
RBSC4101-14-P	Ø.438
RBSC4101-16-P	Ø.438
RBSC4103-3-P	Ø.313
RBSC4103-4-P	Ø.313
RBSC4103-5-P	Ø.313
RBSC4103-7-P	Ø.438
RBSC4103-8-P	Ø.438
RBSC4103-9-P	Ø.438
RBSC4103-10-P	Ø.438
RBSC4103-12-P	Ø.438
RBSC4103-14-P	Ø.438
RBSC4103-16-P	Ø.438



(-9)

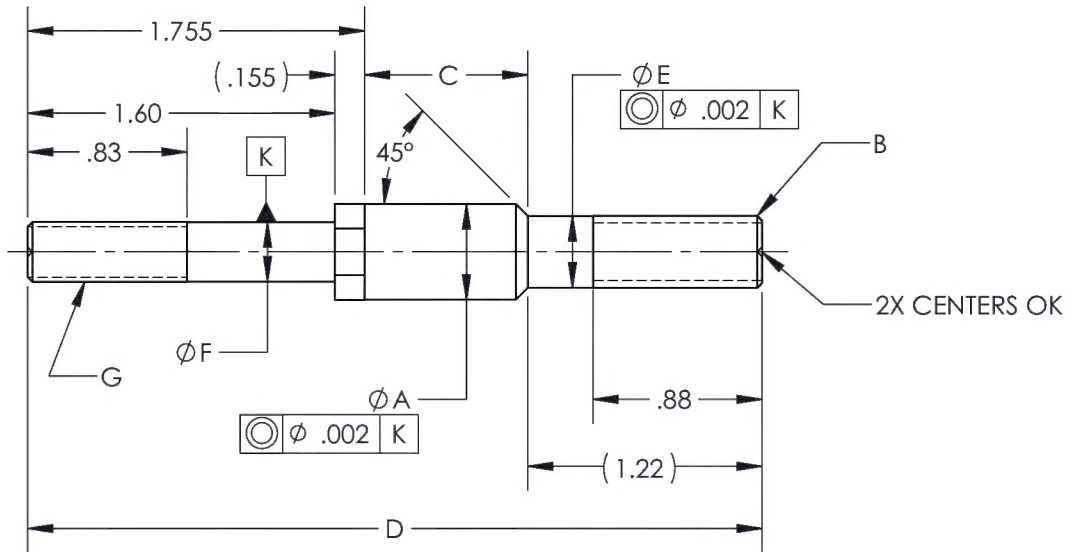
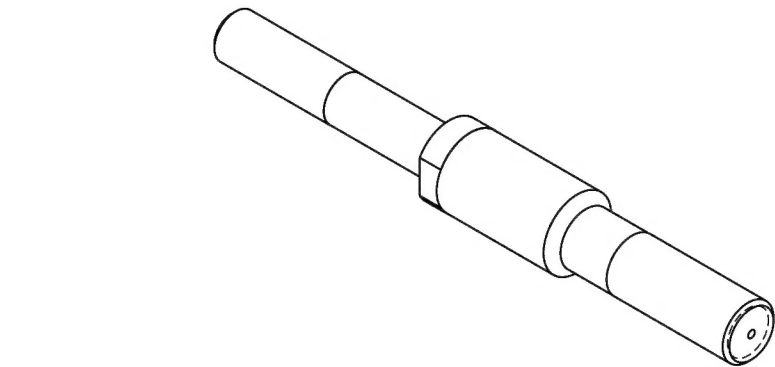
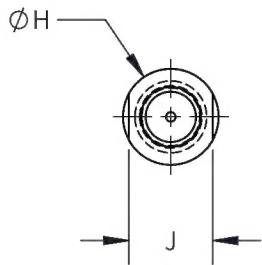
BUSHING

<b>DART AEROSPACE</b>	
TITLE <b>PORTABLE BEARING CUTTER</b>	
DWG NO. <b>SEE TABLE-9</b>	REV <b>10</b>
MAT'L <b>BRONZE</b>	DRAWN BY: <b>PERRITT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	SEE TABLE
SCALE <b>2:1</b>	DATE <b>1/10/2008</b>
	SHEET 6 OF 7

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
9		ADDED TOOL RBSC4103-4-P.	11/12/2013	JAG	EB
10	15-0029	-11 ADDED DIMS ØF, G, ØH, J TO TABLE. ADDED BEARINGS MS14101-3/-4/-5/-7/-8/-9/-10/-12/-14/-16, MS14103-3/-7A/-9/-10/-12/-14/-16.	2/10/2015	DPD	JAG

TOOL NUMBER	ØA +.000 -.002	B	C ±.010	D +.010 -.010	ØE +.000 -.002	ØF +.002 -.000	G	ØH	J +.000 -.005
RBSC4101-3-P	Ø.188	8-32	.400	3.375	Ø.162	Ø.162	8-32	Ø.375	.313
RBSC4101-4-P	Ø.248	1/4-20	.400	3.375	Ø.248	Ø.162	8-32	Ø.375	.313
RBSC4101-5-P	Ø.311	1/4-20	.400	3.375	Ø.248	Ø.310	5/16-24	Ø.500	.437
RBSC4101-7-P	Ø.436	3/8-16	.500	3.475	Ø.373	Ø.310	5/16-24	Ø.500	.437
RBSC4103-6-P	Ø.373	1/4-20	.550	3.525	Ø.248	Ø.310	5/16-24	Ø.500	.437
RBSC4101-8-P	Ø.498	3/8-16	.550	3.525	Ø.373	Ø.310	5/16-24	Ø.500	.437
RBSC4101-9-P	Ø.561	1/2-13	.600	3.575	Ø.498	Ø.310	5/16-24	Ø.500	.437
RBSC4101-10-P	Ø.623	1/2-13	.650	3.625	Ø.498	Ø.310	5/16-24	Ø.500	.437
RBSC4101-12-P	Ø.748	1/2-13	.750	3.725	Ø.498	Ø.310	5/16-24	Ø.500	.437
RBSC4101-14-P	Ø.873	1/2-13	.875	3.850	Ø.498	Ø.310	5/16-24	Ø.500	.437
RBSC4101-16-P	Ø.998	1/2-13	1.000	3.975	Ø.498	Ø.310	5/16-24	Ø.500	.437
RBSC4103-3-P	Ø.188	8-32	.500	3.475	Ø.162	Ø.162	8-32	Ø.375	.313
RBSC4103-4-P	Ø.248	1/4-20	.500	3.475	Ø.248	Ø.162	8-32	Ø.375	.313
RBSC4103-5-P	Ø.311	1/4-20	.500	3.475	Ø.248	Ø.162	8-32	Ø.375	.313
RBSC4103-7-P	Ø.436	3/8-16	.600	3.575	Ø.373	Ø.310	5/16-24	Ø.500	.437
RBSC4103-8-P	Ø.498	3/8-16	.650	3.625	Ø.373	Ø.310	5/16-24	Ø.500	.437
RBSC4103-9-P	Ø.561	1/2-13	.700	3.675	Ø.498	Ø.310	5/16-24	Ø.500	.437
RBSC4103-10-P	Ø.623	1/2-13	.750	3.725	Ø.498	Ø.310	5/16-24	Ø.500	.437
RBSC4103-12-P	Ø.748	1/2-13	.875	3.850	Ø.498	Ø.310	5/16-24	Ø.500	.437
RBSC4103-14-P	Ø.873	1/2-13	.875	3.850	Ø.498	Ø.310	5/16-24	Ø.500	.437
RBSC4103-16-P	Ø.998	1/2-13	1.250	4.225	Ø.498	Ø.310	5/16-24	Ø.500	.437



(-11)

STUD

DART AEROSPACE			
TITLE PORTABLE BEARING CUTTER			REV 10
DWG NO. SEE TABLE-11			
MAT'L 4140/4142 Q&T		DRAWN BY: PERRITT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Well</i>	
.XXX ± .005		HEAT TREAT	
.XX ± .01		FINISH BLACK OXIDE	
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45°		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SEE TABLE	
SCALE 1:1	DATE 1/10/2008	SHEET 7 OF 7	